

ABSTRACT OF THE DISCLOSURE

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A single-dose detergent formulation having a hydrophobically modified polymer and useful for either laundry or auto dishwashing applications is presented. The polymer consists of a hydrophilic backbone to which a hydrophobic moiety has been added by means of at least one hydrophobic monomer, chain transfer agent, or surfactant. The hydrophobically modified polymer is soluble in non-aqueous solvents, and useful in sachets or pouches for single-dose applications. The polymer also inhibits the corrosion of aluminum, and is therefore useful in applications such as cleaning and de-icing, or in a metal-working fluid.